

CE 18-12 ▶ 12V 18AH

SMF VRLA RECHARGEABLE BATTERY



APPLICATIONS

- UPS Systems
- Banks ,Finance & Data centers
- Central Battery Systems
- Hospital & Laboratories
- Emergency Lighting
- Fire Alarm Safety & Security Systems

COMPLIANCE

- ✓ Complies to JISC 8702
- ✓ Complies to IS15549
- ✓ Complies to IEC 60896-22

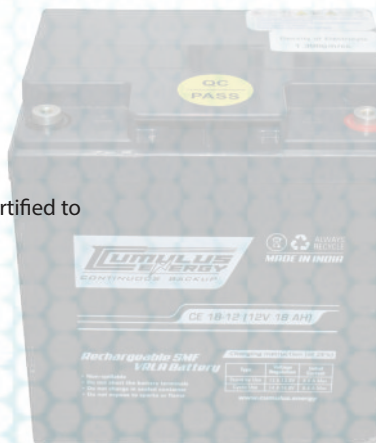
QUALITY STANDARDS

Manufactured in best-in-class facility certified to

- ✓ ISO 9001: 2015
- ✓ ISO 14001: 2015
- ✓ OHSAS 45001: 2018

TECHNICAL FEATURES

- Non-Spillable Sealed Construction
- Seal Lead Acid Battery
- AGM ,ABS ,Gas Recombination
- Venting System for low internal pressure
- Low Self-Discharge & High Power Output
- Heavy-Duty, Highly Optimized Grids
- Maintenance-Free Operation



CHARACTERISTICS

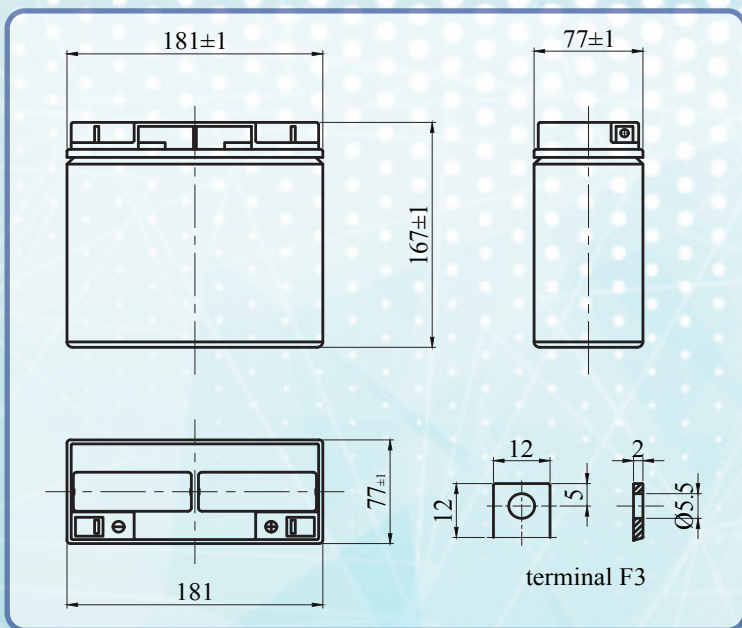
Nominal Voltage	12 V	
Capacity 25°C (77°F)	20 Hour rate	18Ah
	10 Hour rate	16.8Ah
	5 Hour rate	15.05Ah
Internal Resistance (25°C, 100% Charge)	≤ 14 mΩ	
Self Discharge (20°C)	1 Month	Remaining Capacity 97%
Operating Temperature	Discharge	-20°C - 60°C
	Charge	-10°C - 60°C
	Storage	-20°C - 60°C
Normal Operating Temperature	25°C ± 3°C	
Maximum Discharge current	225A (5sec)	
Maximum Charging current	6.8A	
Short Circuit Current	850A	
Charge Methods Constant Voltage Charge 77°F (25°C) - Cycle use	14.4 to 14.7V	
	Temp. Compensation -30mV/°C	
Charge methods Constant Voltage Charge 77°F (25°C) - Standby Use	13.4 to 13.8V	
	Temp. Compensation -20mV/°C	
Design Life	10 Years	

CONSTANT CURRENT DISCHARGE (Amperes) AT 25°C

End Cell Voltage (ECV)	DURATION								
	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60	67.0	45.1	34.3	20.2	12.0	4.65	3.10	1.70	0.89
1.65	64.6	44.0	33.5	19.8	11.8	4.57	3.05	1.68	0.88
1.70	62.2	42.9	32.6	19.3	11.6	4.49	3.00	1.65	0.87
1.75	59.8	41.7	31.8	18.9	11.3	4.40	2.94	1.63	0.85
1.80	57.4	40.6	30.9	18.4	11.1	4.32	2.89	1.60	0.84

CONSTANT POWER DISCHARGE (Watts) AT 25°C

End Cell Voltage (ECV)	DURATION								
	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60	117	79.0	61.0	36.0	22.0	9.10	6.16	3.52	1.82
1.65	113	77.4	59.8	35.5	21.8	9.01	6.10	3.49	1.80
1.70	110	75.8	58.5	35.0	21.5	8.92	6.04	3.45	1.78
1.75	106	74.1	57.3	34.5	21.3	8.83	5.98	3.42	1.77
1.80	102	72.5	56.0	34.0	21.0	8.74	5.92	3.38	1.75

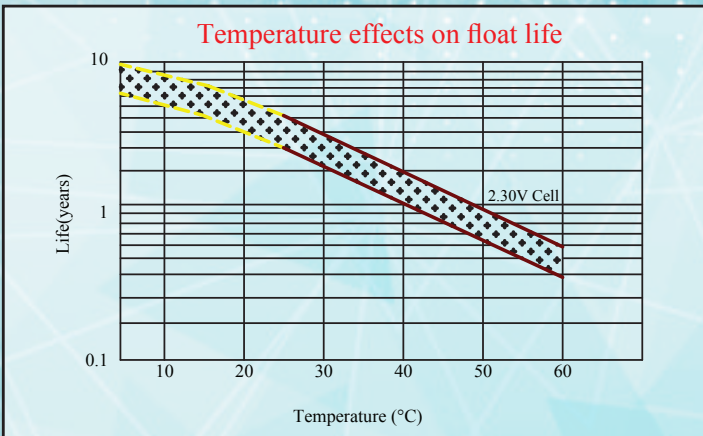
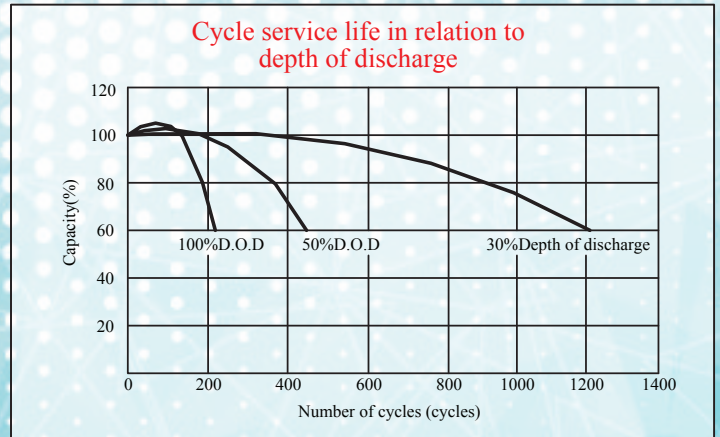
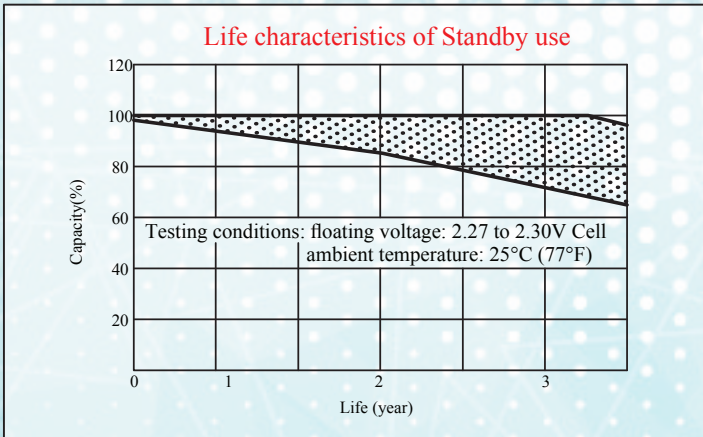
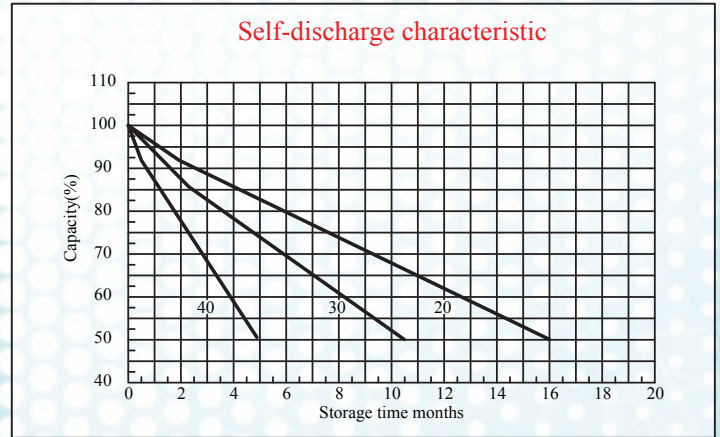
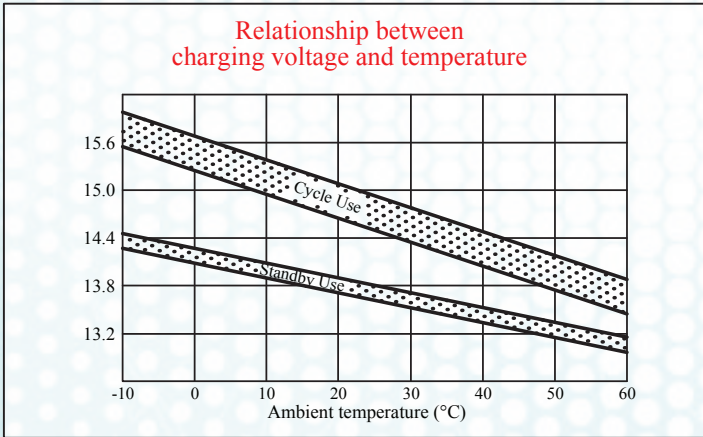
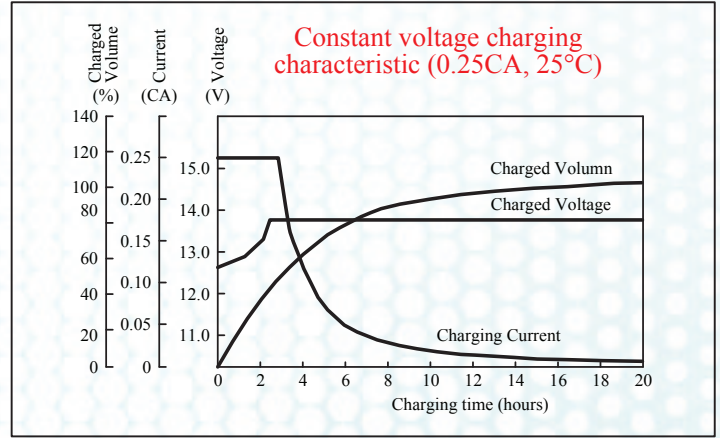
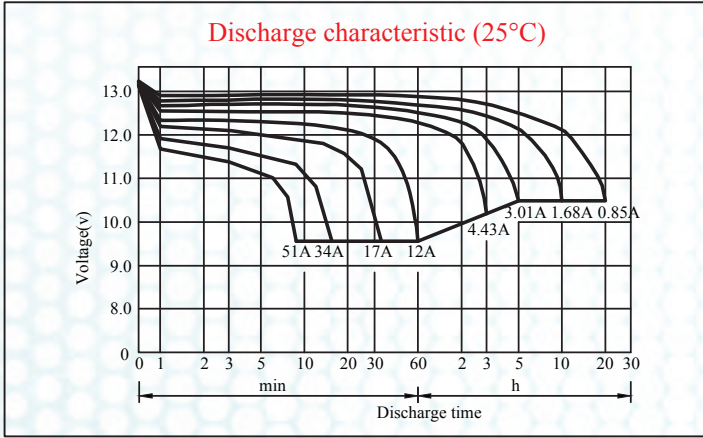


DIMENSION

Length	Width	Height	Total Height	Weight (kg)
181 mm	77 mm	167 mm	167 mm	5.5 ± 5%

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Authorized Distributor